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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	Unassigned
Filing Date	November 14, 2001
First Named Inventor	Aoyagi
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	401452/Takada

Sheet 1 of 1

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09/987259

U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation	
		Office	Application or Patent Number	Kind Code			Yes	No**
CHY	A 1	JP	1-155677		Toshiba Corp.	6/19/1989		X+
	A 2	JP	2-20087		Toshiba Corp.	1/23/1990		X+
	A 3	JP	2-90688		NEC Corp.	3/30/1990		X+
	A 4	JP	5-48197		Nippon Telegraph and Telephone	2/26/1993		X+
CHY	A 5	JP	6-204607		NEC Corp.	7/22/1994		X+

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
CHY	A 6	Whiteaway et al., "The Design And Assessment Of $\lambda/4$ Phase-Shifted DFB Laser Structures", IEEE Journal of Quantum Electronics, Volume 25, Number 6, June 1989, pages 1261-1279		
	A 7	Sakaino et al., "Transmission Characteristics Of Uncooled And Directly Modulated 1.3 Micrometers Distributed Feedback Laser Diode For Serial 10Giga Bit Ethernet", Conference Digest, 2000 IEEE 17 th International Semiconductor Laser Conference, September 2000, pages 89-90		
	A 8	Sakaino et al., "Uncooled And Directly Modulated 1.3 μ m DFB Laser Diode For Serial 10Gb/s Ethernet", ECOC 2000, 26 th European Conference on Optical Communication, September 2000, pages 125-126		
	A 9	Shin et al., "Low Threshold Current Density Operation Of GaInAsP-InP Laser With Multiple Reflector Microcavities", IEEE Photonics Technology Letters, Volume 7, Number 10, October 1995, pages 119-1121		
	A 10	Hillmer et al., "1.53 μ m InGaAsP-InP First-Order $\lambda/4$ -Shifted Distributed Feedback Lasers With High Coupling Coefficients", IEEE Journal of Quantum Electronics, Volume 27, Number 6, June 1991, pages 1753-1758		
CHY	A 11	Hillmer et al., "Realization Of High Coupling Coefficients In 1.53 μ m InGaAsP/InP First-Order Quarter-Wave Shifted Distributed Feedback Lasers", Applied Physics Letters, Volume 57, Number 6, August 1990, pages 534--536		

Examiner Signature

[Handwritten Signature]

Date Considered

3/7/03

* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).